

Claims

What is claimed is:

- (1) A composition of matter comprising SEQ ID NO 2 and SEQ ID NO 3.
- (2) A composition of matter for detecting a target sequence comprising SEQ ID NO 2, SEQ ID NO 3, and a sequence selected from the group consisting of SEQ ID NO 4 and SEQ ID NO 5.
- (3) A method of amplifying a β 2 adrenergic receptor target sequence comprising the steps of:
 - (a) forming a reaction mixture comprising nucleic acid amplification reagents, the composition of matter of claim 1, and a test sample suspected of containing a target sequence; and
 - (b) subjecting the mixture to amplification conditions to generate at least one copy of the target sequence.
- (4) A method for detecting a target sequence in a test sample comprising the steps of:
 - (a) forming a reaction mixture comprising nucleic acid amplification reagents, the composition of matter of claim 1, and a test sample suspected of containing a target sequence;
 - (b) subjecting the mixture to amplification conditions to generate an amplification product;
 - (c) hybridizing a probe selected from the group consisting of SEQ ID NO 4 and SEQ ID NO 5 to the amplification product to form a hybrid; and
 - (d) detecting the hybrid as an indication of the presence of the target sequence in the test sample.
- (5) A kit for amplifying a β 2 adrenergic receptor target sequence comprising:
 - (a) SEQ ID NO 2 and SEQ ID NO 3; and
 - (b) amplification reagents.

(6) The kit of claim 6 further comprising a probe selected from the group consisting of SEQ ID NO 4, SEQ ID NO 5, SEQ ID NO 6, and SEQ ID NO 7.